

to the optical fiber to receive optical signals from the optical fiber, the optical emitter and the optical receiver each comprising a second end having a plurality of pins to electrically connect to the printed circuit board; and

5 a clipping device disposed within the housing for fixing the optical sub assembly so that the optical sub assembly is electrically connected with the printed circuit board, the clipping device comprising

10 guiding slots for guiding the pins disposed therein to the printed circuit board and further comprising clamping arms for clamping the pins of the optical emitter and the optical receiver with the printed circuit board to fix the pins on the printed circuit

15 board.

Please cancel claims 3-5.

20 6. (Amended) The transceiver module of claim 1 wherein the pins are soldered or welded onto the printed circuit board.

Please cancel claim 7.

25 8. (Amended) The transceiver module of claim 1 wherein the clipping device is formed of plastic material.

30 9. (New) The transceiver module of claim 1 wherein each guiding slot comprises a plurality of nonconductive channels, each channel for guiding one of the pins to a predetermined position to connect to the printed circuit board.

10. (New) A transceiver module for a fiber optic communications system comprising:

a housing;

5 a connector for connecting with the housing;

a printed circuit board (PCB) installed within the housing for processing photoelectric signals;

10 an optical sub assembly (OSA) installed within the connector for receiving or emitting optical signals, the optical sub assembly comprising an optical emitter having a first end connected to an optical fiber to transmit optical signals to the optical fiber, and an optical receiver having a first end connected to the optical fiber to receive optical signals from the optical fiber, the optical emitter and the optical receiver each comprising a second end having a plurality of pins to electrically connect to the printed circuit board;

15 a clipping device disposed within the housing for fixing the optical sub assembly so that the optical sub assembly is electrically connected with the printed circuit board, the clipping device comprising guiding slots for guiding the pins to the printed circuit board; and

20 a clamping device having a clamping plate and a rod for inserting into a hole of the clipping device to clamp the printed circuit board between the plurality of pins and the clamping plate.

25 11. (New) The transceiver module of claim 10 wherein each guiding slot comprises a plurality of nonconductive channels, each channel for guiding one of the pins to

a predetermined position to connect to the printed circuit board.

- 5 12. (New) A transceiver module for a fiber optic communications system comprising:
a housing;
a connector for connecting with the housing;
a printed circuit board installed within the housing
for processing photoelectric signals;
10 a clipping device disposed within the housing, the clipping device comprising a first guiding slot, the first guiding slot comprising a first plurality of electrically nonconductive channels; and
an optical emitter having a first end connected to a
15 first optical fiber to transmit optical signals to the first optical fiber and a second end having a first plurality of pins, the optical emitter being disposed within the first guiding slot of the clipping device and each of the first plurality of pins of
20 the optical emitter being uniquely disposed within one of the first channels to guide each of the first plurality of pins to a predetermined location for electrical connection to the printed circuit board.
- 25 13. (New) The transceiver module of claim 12 wherein the clipping device further comprises a second guiding slot, the second guiding slot having a second plurality of electrically nonconductive channels.
- 30 14. (New) The transceiver module of claim 13 further comprising an optical receiver having a first end connected to a second optical fiber to receive optical

signals from the second optical fiber and a second end having a second plurality of pins, the optical receiver being disposed within the second guiding slot of the clipping device and each of the second plurality of pins of the optical receiver being uniquely disposed within one of the second plurality of channels to position each of the second plurality of pins in predetermined locations for electrical connection to the printed circuit board.

15. (New) The transceiver module of claim 14 wherein the clipping device further comprises a clamping device to fix the first and second plurality of pins on the printed circuit board.

16. (New) The transceiver module of claim 15 wherein the clamping device comprises clamping arms for clamping the first and second plurality of pins to the printed circuit board.

17. (New) The transceiver module of claim 15 wherein the clamping device comprises a clamping plate and a rod for inserting into a hole of the clipping device to clamp the printed circuit board between the first plurality of pins and the clamping plate.

18. (New) The transceiver module of claim 12 wherein the clipping device further comprises clamping arms for clamping the first plurality of pins of the optical emitter with the printed circuit board to fix the first plurality of pins on the printed circuit board.